

July 17, 2008

Mr. Charles G. Pardee
Chief Nuclear Officer
and Senior Vice President
Exelon Generation Company, LLC
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: LASALLE COUNTY STATION, UNITS 1 AND 2 – REQUEST FOR ADDITIONAL
INFORMATION RELATED TO TECHNICAL SPECIFICATION 3.8.3, “DIESEL
FUEL OIL AND STARTING AIR” (TAC NOS. MD8674 AND MD8675)

Dear Mr. Pardee:

By letter to the Nuclear Regulatory Commission (NRC) dated May 2, 2008, Exelon Generation Company (EGC), LLC submitted a license amendment request to change the technical specifications (TS) for the LaSalle County Station, Units 1 and 2, to revise TS 3.8.3, “Diesel Fuel Oil and Starting Air,” to replace the numerical volume requirements for stored diesel fuel oil inventory with requirements that state that volumes equivalent to 7 days and 6 days of fuel oil are available, and to move the diesel fuel oil numerical volumes equivalent to 7-day and 6-day supplies to the TS Bases.

The NRC staff has reviewed your submittal and has determined that additional information is required to complete the review. The specific information requested is addressed in the enclosure to this letter. During a discussion with your staff on June 20, 2008, it was agreed that you would provide a response 15 days from the date of this letter.

The NRC staff considers that timely responses to requests for additional information help ensure sufficient time is available for staff review and contribute toward the NRC’s goal of efficient and effective use of staff resources. If circumstances result in the need to revise the requested response date, please contact me at (301) 415-3154.

Sincerely,

/RA/

Stephen P. Sands, Project Manager
Plant Licensing Branch III-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-373 and 50-374

Enclosure:
Request for Additional Information

cc w/encl: See next page

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Docket Nos. 50-373 and 50-374
Enclosure:
Request for Additional Information
cc w/encl: See next page

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Clinton Power Station, Unit No. 1

cc:

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Exelon Generation Company, LLC
Via e-mail

Clinton Distribution
Exelon Generation Company, LLC
Via e-mail

Clinton Resident Inspector
U.S. Nuclear Regulatory Commission
Via e-mail

Illinois Emergency Management Agency
Division of Disaster Assistance &
Preparedness
Via e-mail

J. W. Blattner, Project Manager
Sargent & Lundy Engineers
Via e-mail

Chairman of DeWitt County
c/o County Clerk's Office
Via e-mail

REQUEST FOR ADDITIONAL INFORMATION

LASALLE COUNTY STATION, UNITS 1 AND 2

DOCKET NOS. 50-373 AND 50-374

In reviewing the Exelon Generation Company's (EGC's) submittal dated May 2, 2008, related to your license amendment request to change the technical specifications (TS) for the LaSalle County Station, Units 1 and 2, to revise TS 3.8.3, "Diesel Fuel Oil and Starting Air," to replace the numerical volume requirements for stored diesel fuel oil inventory with requirements that state that volumes equivalent to 7 days and 6 days of fuel oil are available, and to move the diesel fuel oil numerical volumes equivalent to 7-day and 6-day supplies to the TS Bases, for the LaSalle County Station (LSCS), Units 1 and 2, the Nuclear Regulatory Commission staff has determined that the following information is needed in order to complete its review:

1. Below Table 1 (Page 3) it is stated that "The proposed numerical volumes requirements are based on calculating the maximum required fuel consumption (lbm) over the American Petroleum Institute (API) gravity range allowed by SR [Surveillance Requirement] 3.8.3.2 converted to a single volumetric value (gallons) at an API gravity of 30 at a nominal temperature of 60 °F." Some commercially available ultra low sulfur diesel (ULSD) is in the API gravity band of 27 to 39. Provide the bases for using an API gravity of 30, and provide justification as to why it is a conservative value.
2. In Section 3.0 (page 4 of 11) it is stated that "EGC in its evaluations used a 1 percent reduction in energy content for ULSD compared to the diesel fuel that was used as the basis in the design of LSCS." Provide the bases for the 1 percent reduction value, and provide justification as to why it is a conservative value.
3. In Section 4.0 (page 6 of 11) it is stated that "The TS requirements for fuel oil inventory at LSCS have been determined using fuel oil consumption rates as provided by the specific engine manufacturer." Are these fuel oil consumption rates provided by the manufacturer applicable for ULSD fuel? If so, it should be stated in the request.
4. Please provide the calculation(s) that determined the fuel oil volumes in Table B3.8.3-1.